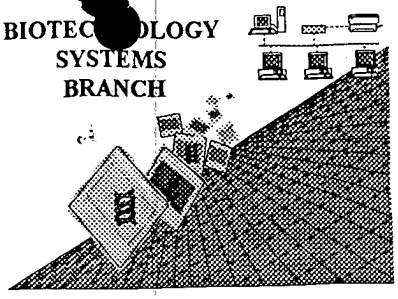
#10

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/509,234

Source: 1655

Date Processed by STIC: 4/12/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
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1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

#10

1655

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,234

DATE: 04/12/2001
TIME: 15:54:04

Input Set : A:\PTO.txt
Output Set: N:\CRF3\04122001\I509234.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Vannuffel, Pascal
4 Gala, Jean-Luc
6 <120> TITLE OF INVENTION: GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS AND DEVICES
7 FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
9 <130> FILE REFERENCE: VANM145.001A
OK 10 **<140> CURRENT APPLICATION NUMBER: 09/509,234**
11 **<141> CURRENT FILING DATE: 2000-09-25**
13 <160> NUMBER OF SEQ ID NOS: 64
14 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

2419 <210> SEQ ID NO: 64
2420 <211> LENGTH: 18
2421 <212> TYPE: DNA
2422 <213> ORGANISM: femX9
2424 <400> SEQUENCE: 64
2425 aactcgaaaa tagaacta 18
E--> 2427
E--> 2430

(20) (1) delete at end of file

see following pages for more errors

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,234

DATE: 04/17/2001
TIME: 11:30:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\04172001\I509234.raw

```
      3 <110> APPLICANT: Vannuffel, Pascal
      4       Gala, Jean-Luc
      6 <120> TITLE OF INVENTION: GENETIC SEQUENCES, DIAGNOSTIC AND/OR QUANTIFICATION METHODS
AND DEVICES
      7       FOR THE IDENTIFICATION OF STAPHYLOCOCCI STRAINS
      9 <130> FILE REFERENCE: VANM145.001A
M-> 10 <140> CURRENT APPLICATION NUMBER: 09/509,234
C-> 11 <141> CURRENT FILING DATE: 2000-09-25
     13 <160> NUMBER OF SEQ ID NOS: 64
     14 <170> SOFTWARE: PatentIn version 3.0
     17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 1328
     19 <212> TYPE: DNA
     20 <213> ORGANISM: Staphylococcus femA Consensus Sequence
     22 <220> FEATURE:
     23 <221> NAME/KEY: misc_feature
     24 <222> LOCATION: 1-1328
     25 <223> OTHER INFORMATION: n= any nucleotide
     27 <400> SEQUENCE: 1
W--> 28 nnnnnnnnnn nnnanaatga antttacnaa tttnacngcn anaganttnn gnnnntntac     60
W--> 30 ngannnnatg ncnnanagnc atttnacnca nannnnngnn nantangann tnaannttgc    120
W--> 32 nnannnnnnn ganncncann tagtnggnat naanaanaan nataangang tnattgcngc    180
W--> 34 ntgnntnntn acngcngtnc cngtnatgaa antnttnaan tantttttatt cnaanngngg    240
W--> 36 nccngtnatn gattntnana annnaganct ngtncantnn ttctttaang anttnnnnaa    300
W--> 38 ntatntnaaa nannannntn nnntatannt nnnnntngan ccntanntnn cntatcaata    360
W--> 40 nnnnaatcat ganggngann tnnnngnnaa tgcnggnnan gattggntnt tngatnannt    420
W--> 42 nnnnnnnntn ggntntnanc annnnggntt nnnnannggn tttganccnn tnnnncaaat    480
W--> 44 nngntnncan tcngtnntan atttannnnn naaaannncn nanganntnn tnaannnnat    540
W--> 46 ggatngnntn ngnaanngna anacnaaaaa agtnnanaan aatggngtna aagtnnnntt    600
W--> 48 nntnnnnnaa ganganntnc cnatnttnng ntcattnatg gangatacnn cnganncnaa    660
W--> 50 ngnnttnnnn gatngngang annnnttnta ntanaanngn tnnnnnnatt nnaaagannn    720
W--> 52 ngtnntngtn ccnntngcnt atatnnantt tgatgantan ntnnnngaan tnnannnnga    780
W--> 54 nngnnannnn ntnantaaag annnnaanaa agcnntnaan ganatngana aangnccnga    840
W--> 56 naanaaaaan gcnnnnaana annnnnnnaa nntnnaanan caantnnnng cnaannanca    900
W--> 58 aaanntnnan gangnnannn nnntnnaann nnancatggn aangaattac cnatntcngc    960
W--> 60 ngnntncttn ntnatnaatc cntntgaagt ngtntantan gcnggtggna cntcnaatnn   1020
W--> 62 ntnnngncan ttngcnggna gntatgcnnt ncaatggnnn atgattaant atgcnntnna   1080
W--> 64 ncatnnnatn nanngntana atttntatgg nnttagnggt nantttanng angangcnga   1140
W--> 66 agatgnnggn gtnntnaant tnaaaaangg ntnnnatgcn ganntnntng antangttgg   1200
W--> 68 nganttnntn aaaccnatna anaanccnnt ntannnnnnn tatannncan tnaaaaannt   1260
W--> 70 nnannnnann nnnnnntann nannnnnnna nnnnannnnn nnnnnnatga aatttacaga   1320
W--> 72 gttaannn                                                            1328
     75 <210> SEQ ID NO: 2
     76 <211> LENGTH: 35
     77 <212> TYPE: DNA
     78 <213> ORGANISM: primer
     80 <220> FEATURE:
     81 <221> NAME/KEY: misc_feature
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see p.3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,234

DATE: 04/17/2001
TIME: 11:30:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\04172001\I509234.raw

(2) name other locations, too OR show as (1)..(35)

82 <222> LOCATION:
83 <223> OTHER INFORMATION: n= any nucleotide
85 <400> SEQUENCE: 2
> 86 anaatgaant ttacnaattt nacngcnana gantt 35
89 <210> SEQ ID NO: 3
90 <211> LENGTH: 20
91 <212> TYPE: DNA
92 <213> ORGANISM: femS1
94 <400> SEQUENCE: 3
95 taatgaagtt tacaaaattt 20
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 20
100 <212> TYPE: DNA
101 <213> ORGANISM: femS2
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: 14
106 <223> OTHER INFORMATION: n= any nucleotide
108 <400> SEQUENCE: 4
W-K> 109 taatgaagtt tacnaaattt 20
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 25
114 <212> TYPE: DNA
115 <213> ORGANISM: primer
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: ← give locations
120 <223> OTHER INFORMATION: n= ? (define "n")
122 <400> SEQUENCE: 5
W--> 123 atgncnnana gncatttnac ncana 25
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: femU1
131 <400> SEQUENCE: 6
132 tgccatatag tcatttacgc 20
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 37
137 <212> TYPE: DNA
138 <213> ORGANISM: primer
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: ← give locations
143 <223> OTHER INFORMATION: n= any nucleotide
145 <400> SEQUENCE: 7
W--> 146 tagtnggnat naanaanaan nataangang tnattgc 37
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 35
151 <212> TYPE: DNA

see pp 4-6, too

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,234

DATE: 04/17/2001
TIME: 11:30:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\04172001\I509234.raw

152 <213> ORGANISM: primer
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <222> LOCATION: ← give locations
157 <223> OTHER INFORMATION: n= any nucleotide
159 <400> SEQUENCE: 8
W--> 160 **gtnccngtna tgaaantntt naantanttt tattc** 35
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 18
165 <212> TYPE: DNA
166 <213> ORGANISM: primer
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: ← give locations
171 <223> OTHER INFORMATION: n= any nucleotide
173 <400> SEQUENCE: 9
W--> 174 **aatgcnggnn angattgg** 18
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 43
179 <212> TYPE: DNA
180 <213> ORGANISM: primer
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: ← give locations
185 <223> OTHER INFORMATION: n= any nucleotide
187 <400> SEQUENCE: 10
W--> 188 **gnaanngnaa nacnaaaaaa gtnnanaana atggngtnaa agt** 43
191 <210> SEQ ID NO: 11
192 <211> LENGTH: 18
193 <212> TYPE: DNA
194 <213> ORGANISM: fsq1S
196 <400> SEQUENCE: 11
197 aaaaagttca aaaaatgg 18
200 <210> SEQ ID NO: 12
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: fsq2S
205 <400> SEQUENCE: 12
206 aaaaagtaca aaaaatgg 18
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 40
211 <212> TYPE: DNA
212 <213> ORGANISM: primer
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: ← give locations
217 <223> OTHER INFORMATION: n= any nucleotide
219 <400> SEQUENCE: 13
W--> 220 **aagangannt nccnatnttn ngntcattna tggangatac** 40

223 <210> SEQ ID NO: 14
224 <211> LENGTH: 20
225 <212> TYPE: DNA
226 <213> ORGANISM: primer
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: ← give locations
231 <223> OTHER INFORMATION: n= any nucleotide
233 <400> SEQUENCE: 14
W--> 234 tatatnnant ttgatganta 20
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 32
239 <212> TYPE: DNA
240 <213> ORGANISM: primer
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: ← give locations
245 <223> OTHER INFORMATION: n= any nucleotide
247 <400> SEQUENCE: 15
W--> 248 aanganatng anaaangncc nganaanaaa aa 32
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 18
253 <212> TYPE: DNA
254 <213> ORGANISM: fsq3S
256 <400> SEQUENCE: 16
257 aaagatattg aaaaacga 18
260 <210> SEQ ID NO: 17
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: fsq4S
265 <400> SEQUENCE: 17
266 aaagatattg aaaagagacc 20
269 <210> SEQ ID NO: 18
270 <211> LENGTH: 18
271 <212> TYPE: DNA
272 <213> ORGANISM: fsq5S
274 <400> SEQUENCE: 18
275 aaagatatcg agaaagac 18
278 <210> SEQ ID NO: 19
279 <211> LENGTH: 18
280 <212> TYPE: DNA
281 <213> ORGANISM: fsq6S
283 <400> SEQUENCE: 19
284 aaagacatcg acaagcgt 18
287 <210> SEQ ID NO: 20
288 <211> LENGTH: 22
289 <212> TYPE: DNA
290 <213> ORGANISM: primer
292 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,234

DATE: 04/17/2001
TIME: 11:30:17

Input Set : A:\Pto.amc
Output Set: N:\CRF3\04172001\I509234.raw

293 <221> NAME/KEY: misc_feature
294 <222> LOCATION: ← give locations
295 <223> OTHER INFORMATION: n= any nucleotide
297 <400> SEQUENCE: 20
W--> 298 **ancatggnaa ngaattaccn at** 22
301 <210> SEQ ID NO: 21
302 <211> LENGTH: 19
303 <212> TYPE: DNA
304 <213> ORGANISM: fem1
306 <400> SEQUENCE: 21
307 gaacatggta atgaattac 19
310 <210> SEQ ID NO: 22
311 <211> LENGTH: 32
312 <212> TYPE: DNA
313 <213> ORGANISM: primer
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <222> LOCATION: ← give locations
318 <223> OTHER INFORMATION: n= any nucleotide
320 <400> SEQUENCE: 22
W--> 321 **aatccntntg aagtngtnta ntangcnggt gg** 32
324 <210> SEQ ID NO: 23
325 <211> LENGTH: 35
326 <212> TYPE: DNA
327 <213> ORGANISM: primer
329 <220> FEATURE:
330 <221> NAME/KEY: misc_feature
331 <222> LOCATION: ← give locations
332 <223> OTHER INFORMATION: n= any nucleotide
334 <400> SEQUENCE: 23
W--> 335 **agntatgcnn tncaatggnn natgattaan tatgc** 35
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 44
340 <212> TYPE: DNA
341 <213> ORGANISM: primer
343 <220> FEATURE:
344 <221> NAME/KEY: misc_feature
345 <222> LOCATION: ← give locations
346 <223> OTHER INFORMATION: n= any nucleotide
348 <400> SEQUENCE: 24
W--> 349 **tttanngang angcngaaga tgnnggngtn ntnaanttna aaaa** 44
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 20
354 <212> TYPE: DNA
355 <213> ORGANISM: fem3bio
357 <400> SEQUENCE: 25
358 tttactgaag atgctgaaga 20
361 <210> SEQ ID NO: 26
362 <211> LENGTH: 20

FYI

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/509,234

DATE: 04/17/2001
TIME: 11:30:18

Input Set : A:\Pto.amc
Output Set: N:\CRF3\04172001\I509234.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
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L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26